PATENT

750



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Inventors:

Tie Jiang WU; Chien-Chang HUANG; Bo Ching JIANG; Yu-Wei TING;

Chin-Ling HUANG

Title:

DEVICE AND METHOD FOR DETECTING ALIGNMENT OF DEEP

TRENCH CAPACITORS AND WORD LINES IN DRAM DEVICES

Date: July 3, 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

V Filing Foo

Facsimile:

(310) 401-6185

FEE DESCRIPTION TO ACCOMPANY LETTER TO PTO CONTAINING DEPOSIT ACCOUNT ORDER FOR STATUTORY FEES

This fee description is filed in duplicate, with respect to the request for a deposit account charge in the attached new case transmittal.

A	_ riiiig ree		Φ	750
B. <u>X</u>	Recording assignment (37 C.F.R. 1.21(h)) (S RECORDATION FORM COVERSHEET.)	See attached	\$	40_
C	Petition fee for filing by other than all the inve on behalf of the inventor where inventor refus cannot be reached (37 C.F.R. §§ 1.47 and 1	ed to sign or	\$	
D	For processing an application with a specification English language (37 C.F.R. §§ 1.52(d) and		\$	
E	Fee for international-type search report (37 C	.F.R. 1.21(e))	\$	
		Total fee char	ge \$	790
Autho	rization is made to charge the amount of <u>US</u>	\$790 to Deposit	: Apcount∕No. 502∤	47.
	_		\mathbb{V}	
Quinte	ero Law Office			1
1617 1	Broadway, 3 rd Floor	Nelson A. Quin	tero	
Santa	Monica, California 90404	Attorney for Ap	plicant	
Telepl	none: (310) 401-6180	Reg. No. 52,14	3	

Customer No. 34,283



12. Fee Payment Being Made at This Time

Not End	closed	
N	lo filing fee is to be paid at this time	
X Enclos	sed	
_ <u>X</u>	Filing Fee	\$750
	Recording assignment (37 C.F.R. 1.21(h)) (See attached RECORDATION FORM COVERSHEET.)	\$40
	Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (37 C.F.R. §§ 1.47 and 1.17(i))	\$
	For processing an application with a specification in a non-English language (37 C.F.R. §§ 1.52(d) and 1.17(k))	\$
	Processing and retention fee (37 C.F.R. §§ 1.53(d) and 1.21(I))	\$
	Fee for international-type search report (37 C.F.R. 1.21(e))	\$
	Total Fees Enclosed	790
13. Method of Pa	ayment of Fees	
Attac	ched is a check in the amount of	\$
	orization is made to charge the amount of to Deposit Account No. 502447.	\$
	to the Credit card as shown on the attached credit card authorization form PT-2038.	information

14. Authorization to Charge Additional Fees

X Authorization is made to charge any additional fees which may be required under 37 C.F.R. 1.16 (filing fees and the presentation of extra claims) and 37 C.F.R. 1.17 (application processing fees) to Deposit Account No. 502447.

15. Instruction as to Overpayment

X Please credit overpayment to Deposit Account No. 502447.

Please send correspondence to:

Quintero Law Office 1617 Broadway, 3rd Floor Santa Monica, California 90404

Telephone: Facsimile:

(310) 401-6180

simile: (310) 401-6185

Respectfully submitted,

Nelson A. Quintero Attorney for Applicant Reg. No. 52,143

Customer No. 34,283 (please enter this data)

P101259CP

Attorney Docket No. 10112431

PATENT

Date: July 3, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s):

Tie Jiang WU; Chien-Chang HUANG; Bo Ching JIANG; Yu-Wei TING; Chin-Ling HUANG

For (title):

DEVICE AND METHOD FOR DETECTING ALIGNMENT OF DEEP TRENCH CAPACITORS AND WORD LINES IN DRAM DEVICES

1. Type of Application

This new application is for a(n)					
<u>x</u> —	Regular utility (nonprovisional) Design Plant				
_	Divisional Continuation Continuation-in-part (C-I-P).				

2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

The new application being transmitted claims the benefit of prior U.S. application(s)
Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE
BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

A. Required Application	for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. 1.153 (Design)
11	Page(s) of specification
4	Page(s) of claims
3	Sheet(s) of drawing
	The enclosed drawing(s) are photograph(s).
	The enclosed drawing(s) are in color. Three (3) sets of color drawings and a "PETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. §§ 1.84(a)(2) and 1.84(b).
	X Formal
	Informal
B. Other pa	apers enclosed
1	Page(s) of declaration (including power of attorney) Page(s) of abstract Other:
4. Addition	nal Papers Enclosed
	Amendment to claims
	Cancel in this application claims before calculating the filing fee. (At least one independent claim must be retained for filing purposes).
	 Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
	Preliminary Amendment
	Information Disclosure Statement (37 C.F.R. § 1.98)
	Form PTO-1449 (PTO/SB/08A and 08B)
	Citations
	Authorization of Attorney(s) to Accept and Follow Instructions from Representative
<u> X</u>	Return Receipt Postcard in accordance with MPEP 503
	Verified Statement Claiming Small Entity Status (37 C.F.R. § 1.27)
	Other:

5. Declaration or Oath (including power of attorney)

Frame
Reel
This is a continuation division application and the assignment for the parent application was filed on
will follow.
attached.
 X An assignment of the invention to: Nanya Technology Corporation X is attached. A separate RECORDATION FORM COVERSHEET is also
Y An assignment of the invention to: Nanya Tachnology Corneration
Assignment
The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).
Non-English
X English
Language
(Not required unless called into question. 37 C.F.R. 1.41(d))
Showing that the filing is authorized.
 Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of all the above named inventor(s).
Not Enclosed
This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 12 below for fee.
joint inventor or person showing a proprietary interest on behalf of inventor who refuses to sign or cannot be reached.
legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.
X inventor(s).
X Enclosed, executed by

Filing Fee Calculation \$ _____

8. Foreign Priority Claim (35 U.S.C. § 119(a)-(d)) and Certified Copy

Certified copy(ies) of application(s)

Taiwan	91123324	10/9/2002
Country	Appln. No.	Filed
Country	Appln. No.	Filed
from which priority is claimed		
X is (are) attached.		
will follow.		
9. Request for International-Type	e Search (37 C.F.R. § 1.104(d))

Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

10. Assertion of Small Entity Status

Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27.

11. Fee Calculation

A. X Regular utility application

		—	- · · · - ·				
	Number filed		Number Extra		Rate	Bas	ic Fee 37 C.F.R. § 1.16(a) 750
Total Claims (37 C.F.R. § 1.16(c))	12	-20 =	0	x	18	\$	0
Independent Claims (37 C.F.R. § 1.16(b))	2	-3 =	0	x	84	\$	0
Multiple Dependent Claim(s) (37 C.F.R. § 1.16(d))	0			+	280	\$	0
 Amendment canceling extra claims is enclosed. Amendment deleting multiple-dependencies is enclosed. Fee for extra claims is not being paid at this time. 					750		
			FIII	ng ree v	Calculatior	ـــ فا	750
B Design	application (37	C.F.R. 1.16	`	ng Fee (Calculation	n \$	
C Plant ap	oplication (37 C	.F.R. 1.16(g	g))				

CLAIMS AS FILED

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re the application of:

Inventors: Tie Jiang WU; Chien-Chang HUANG; Bo Ching JIANG; Yu-Wei Chin-Ling HUANG				
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Date: July 3, 2003				
Commissioner for Pate P.O. Box 1450 Alexandria, VA 22313-				
	DESCRIPTION TO ACCO			
This fee description is in the attached new ca	filed in duplicate, with respense transmittal.	ct to the request for a	a deposit account charge	
A. X Filing Fee		\$.	750	
	gnment (37 C.F.R. 1.21(h)) (Se N FORM COVERSHEET.)	ee attached \$	40	
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D For processing an application with a specification in a non- English language (37 C.F.R. §§ 1.52(d) and 1.17(k))				
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		Total fee charge \$	790	
Authorization is made to charge the amount of <u>US\$790</u> to Deposit Account No. 502447.				
Quintero Law Office				
1617 Broadway, 3 rd Floor Nelson A. Quintero				
Santa Monica, California 90404 Attorney for Appl			t	
Telephone: (310) 401-6180 Reg. No. 52,143				
Facsimile: (310) 401-6185 Customer No. 34,283			3	